September 22, 2004 - System Issues and Status

Table 1: Process Strategy/Geier as of 09/22/04
Active Requests in order of priority (1 of 4)

Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
PR 90-04	Terra	ValR5	CRS (SS5)	5.4P1	11/30/01 hr 12 to 1/1/02 hr 11 and 5/31/02 hr 12 to 7/1/02 hr 11	Cancelled 9/3/04. Cannot run monthly with different ccode than hourly.
PRs 87-04, 88-04	Terra	ValR4	ERBElike (SS2&3)	2.2P1 2.3P1 3.1P1	6/30/03 to 8/1/03	Cancelled 9/8/04.
PRs 81-04, 82-04	Terra	ValR3, ValR4	BDS (SS1)	1.1P3 1.3P3	5/28/04, 8/2/04, 12/15/03	Done 9/10/04.
PR 77-04 to 80-04	Terra	ValR4	BDS/ ERBElike (SS1-3)	1.3P3 1.2P1 2.4P1 2.2P1 2.3P1 2.3P2	1/31/04 to 3/1/04 and 4/10/04 to 4/15/04	Cancelled 9/9/04. Will be reissued when gains/SRF get delivered in Oct/Nov.
PR 75-04 to 76-04	Terra	ValR4	BDS/ ERBElike (SS1-3)	3.1P1 3.2P1	2/04	Cancelled 9/9/04.
PR 92-04	Terra	ValR5	SRBAVG (SS10)	10.1P1	3/00, 1/01 - 12/01	**Holding - waiting for code promotion.**
PR 74-04	Terra	Edition2B	SSF (SS4) Inversion	4.5-6.3P2 4.5-6.2P2 4.5-6.4P1	3/00 - 2/03	In production.
PR 73-04	Terra	Edition2B	SFC (SS9)	9.2P1 9.3P1 9.4P1	3/00 - 2/03	In production.
PR 91-04	Terra	Edition2B	SRBAVG (SS10)	10.1P1	3/00 - 2/03	**Holding - waiting for ValR5 to be verified and approved.**
PR 72-04	Terra	Edition2B	CRS (SS5)	5.0P1 5.1P1 5.4P1	3/00 - 2/01	In production. Process crosstrack Instrument only.

Table 1: Process Strategy/Geier as of 09/22/04
Active Requests in order of priority (2 of 4)

Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
PR 71-04	Terra	Edition2B	FSW (SS6)	6.1P1 6.2P1 6.3P1	3/00 - 2/01	In production.
PR 61-04	Aqua	Edition1A	SSF (SS4) Clouds	4.1-4.1P3 4.1-4.2P1 4.1-4.2P2 4.1-4.3P1	7/02 - 6/03	In production.
PR 60-04	Aqua	Edition1A	SSF (SS4) Inversion	4.5-6.1P3 4.5-6.2P2 4.5-6.4P1	7/02 - 6/03	In production.
PR 59-04	Aqua	Edition1A	SFC (SS9)	9.2P1 9.3P1 9.4P1	7/02 - 6/03	In production.
Standing requests AM-PR 1-00 to 7-00	Terra	Edition1	BDS/ ERBElike (SS1-3)	1.1P3 1.2P1 1.3P1 1.3P2 2.1P1 2.2P1 2.3P1 2.3P2 3.1P1 ~~3.2P2~~	For 7/04 - present	DO NOT PROCESS 3.2P2 - it is on hold.
Standing requests PM-PR 7-03A to 10-03	Aqua	Edition1	BDS/ ERBElike (SS1-3)	1.1P5 1.2P1 1.3P1 1.3P2 2.2P1 2.3P1 2.3P2 3.1P1 ~~3.2P2~~	For 8/04 - present	DO NOT PROCESS 3.2P2 - it is on hold.
Standing requests AM-PR 8A-02 to 11-02	Terra	Edition2	BDS/ ERBElike (SS1-3)	1.2P1 1.3P3 2.2P1 2.3P1 2.3P2 2.4P1 3.1P1 ~~3.2P2~~	For 1/04 - present	**HOLDING - waiting for Aqua Gains and SRF to be delivered and associated ValRx to run.** DO NOT PROCESS 3.2P2 - it is on hold

Table 1: Process Strategy/Geier as of 09/22/04
Active Requests in order of priority (3 of 4)

Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
Standing requests PM-PR 11-03, 13-03 to 17-03	Aqua	Edition2	BDS/ ERBElike (SS1-3)	1.3P3 1.2P1 2.2P1 2.3P1 2.3P2 2.4P1 3.1P1 ~~3.2P2~~	For 3/04 - present	**HOLDING - waiting for Aqua Gains and SRF to be delivered and associated ValRx to run.** DO NOT PROCESS 3.2P2 - it is on hold
Standing request PM-PR 12-03	Aqua/ Terra	Edition2	ES4/ES9 (SS3)	3.2P1	For 1/04 - present	**HOLDING - waiting for both Terra and Aqua to have processed Edition2 data beyond 1/04.**
PR 84-04	Terra	Beta2	Synoptic SARB (SS7.2)	7.2.1P1	1/01, 4/01, 7/01, 10/01, 3/00	**HOLDING - waiting on code to promote.**
PR 86-04	Terra	Beta2	TISA avg (SS8)	8.1P1	1/01, 4/01, 7/01, 10/01, 3/00	**HOLDING - waiting on code to promote.**
PR 83-04	TRMM	Beta3	Synoptic SARB (SS7.2)	7.2.1P1	1/98 - 8/98, 3/00	**HOLDING - waiting on code to promote.**
PR 85-04	TRMM	Beta3	TISA avg (SS8)	8.1P1	1/98 - 8/98, 3/00	**HOLDING - waiting on code to promote.**
PRs 60-04, 61-04	Aqua	Edition1A	SSF (SS4)	4.1-4.1P3 4.1-4.2P1 4.1-4.2P2 4.1-4.3P1 4.5-6.1P3 4.5-6.2P2 4.5-6.4P1	7/03 - 12/03	
M-PR 3-02		NSIDC-NESDIS	EICE ESNOW (SS4.1)	4.1-4.0P1	Standing request	When FLASHflux starts operational processing need to keep snow/ice maps current.
PR 72-04	Terra	Edition2B	CRS (SS5)	5.0P1 5.1P1 5.4P1	3/00 - 2/03 remaining years	Process crosstrack Instrument only.

Table 1: Process Strategy/Geier as of 09/22/04
Active Requests in order of priority (4 of 4)

Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
PR 71-04	Terra	Edition2B	FSW (SS6)	6.1P1 6.2P1 6.3P1	3/00 - 2/03 remaining years	
PR 74-04	Terra	Edition2B	SSF (SS4) Inversion	4.5-6.3P2 4.5-6.2P2 4.5-6.4P1	3/03 - 12/03	
PR 73-04	Terra	Edition2B	SFC (SS9)	9.2P1 9.3P1 9.4P1	3/03 - 12/03	
M PR 2-04		GEOS4	MOA (SS12)	12.1P1	7/04 - present	
M PR 1-04		GEOS4	PMOA (SS9.1)	9.1P1	7/04 - present	
PR 63-04	Aqua	Beta1	CRS (SS5)	5.0P1 5.1P1 5.4P1	7/02-6/03	
PR 62-04	Aqua	Beta1	FSW (SS6)	6.1P1 6.2P1 6.3P1	7/02-6/03	
PRs 60-04, 61-04	Aqua	Edition1A	SSF (SS4)	4.1-4.1P3 4.1-4.2P1 4.1-4.2P2 4.1-4.3P1 4.5-6.1P3 4.5-6.2P2 4.5-6.4P1	1/04 - 6/04	**HOLDING - waiting on IES availability.**
PR 72-04	Terra	Edition2B	CRS (SS5)	5.0P1 5.1P1 5.4P1	3/03 - 12/03	Process crosstrack Instrument only.
PR 71-04	Terra	Edition2B	FSW (SS6)	6.1P1 6.2P1 6.3P1	3/03 - 12/03	

Table 2: Process Strategy/Geier as of 09/22/04
Coming Soon

Active Month	Satellite	Processing Strategy	Data Product (SS#)	Data Dates	Comments
11/04		ValR11	GGEO (SS11)	3/03 to 6/03	Requires redelivery to handle GOES-9 and GOES-12; requires coefficients.
		Edition2A	GGEO (SS11)	3/03 to 6/03	ValR11 must be approved.
	Aqua	ValR1	SRBAVG (SS10)	?? months	9/10/04 delivery date; may require GGEO for 3/03 - 6/03.
	Aqua	Edition1A	SRBAVG (SS10)	7/02 - 6/03	9/10/04 delivery date; requires GGEO for 3/03 - 6/03.
12/04		ValR11	GGEO (SS11)	? months	7/03 - 6/04; requires coefficients.
		Edition2A	GGEO (SS11)	7/03 - 6/04	
	Aqua	Edition1A	SRBAVG (SS10)	7/03 - 6/04	
unkn	TRMM	Beta4	TSI (SS7.1)	9 months	Not on Bruce's schedule.
	Terra	Beta3	TSI (SS7.1)	12 months	Not on Bruce's schedule.
	TRMM	Beta4	Synoptic SARB (SS7.2)	9 months	Not on Bruce's schedule.
	Terra	Beta3	Synoptic SARB (SS7.2)	12 months	Not on Bruce's schedule.
	TRMM	Beta4	SYN/AVG/ ZAVG (SS8)	9 months	Not on Bruce's schedule.
	Terra	Beta3	SYN/AVG/ ZAVG (SS8)	12 months	Not on Bruce's schedule.
	Aqua	Beta1	TSI (SS7.1)		Not on Bruce's schedule.
	Aqua	Beta1	Synoptic SARB (SS7.2)		Not on Bruce's schedule.
	Aqua	Beta1	SYN/AVG/ ZAVG (SS8)		Not on Bruce's schedule.

Table 3: September 22, 2004 - System Issues and Status

Activity	Lead	Status
CM	Ayers	• See Table 4 for the current CERES Subsystem Delivery Schedule. (Ayers) • See Table 5 for SCCR activity since the last DMT meeting. SCCRs that need to be reviewed follow Table 5. (Ayers) • Tested the following subsystem deliveries and released them to the ASDC: CERESlib (SCCR 560) and TISA Averaging (SCCR 516). (Ayers, Saunders) • Delivered updated Synoptic SARB and TISA Averaging files to the ASDC. (Ayers, Saunders) • Delivered sample read packages for the following data products to the ASDC: SSF, FSW, and SFC. (Ayers, Saunders) • Updated the CERES Subsystem Delivery Schedule and posted it on the CERES CM Web site. (Ayers, Saunders)

Table 4: CERES Subsystem Delivery Schedule - September 2004
(Next CERES Science Team Meeting - November 2 - 4, 2004 in Williamsburg)

Subsystem	Preliminary Delivery Memo to CM	Delivery to CERES CM	Delivery to Langley DAAC	Reason for Delivery	CERESlib Delivery Needed	New PGE(s)
Inversion (SCCR 562)	September 16	September 24	October 1	To include all 361 validation regions in PGEs CER4.5-6.2P2 and CER4.5-6.4P1.		
Instrument	Late September			Aqua gains files.		
ERBE-like	Late September			Aqua spectral response function files.		
Instrument	N/A	October 29	October 29	Terra gains files.		
ERBE-like	N/A	October 29	October 29	Terra spectral response function files.		
Inversion	November			To run alternate main on a daily basis.		
Clouds	November 19	December 3	December 10	Turn on CloudVis parameters and file for Bing Lin. Support Aqua Edition1A processing.		
GGEO (SCCR 553)	December 3	December 17	December 24	Delivery to handle GOES-9 and GOES-12.		X
Clouds	Spring 2005			Support TRMM VIRS-only processing of August 2001 forward.		

Table 5: SCCR Activity September 7 at 2:00 p.m. - September 20 at 1:00 p.m.

SCCR	S	U	A	C	D	SS	Page No.	Comments
516		X	X			10	9	
521				X		6		
522				X		6		
550		X				7.2	12	
552				X		1		
555				X		4.5 & 4.6		
557			X			9		
558			X			6		
559	X		X			6 & 9	14	CERESlib modifications
560	X		X			CERESlib	14	
561	X					CERESlib	15	
562	X					4.5 & 4.6	15	

S=Submitted; **U**=Updated; **A**=Approved; **C**=Closed; **D**=Disapproved; **SS**=Subsystem

CERES Software Configuration Change Request Submittal
==========

Subsystem: TISAavg10.0 SCCR Date: 03/25/2004 SCCR Number: 516

Description of Change (Science):
1. Add a threshold to check for partially filled regions for Terra when reading input SFCs.
2. Add a temporary fix for the use of Terra Edition2A SFC with the SW scene ID 591
3. Add the night time cloud retrieval.
4. Updated ADM code and ADM data files.
5. Updated the GGEO narrowband to broadband conversion code and data files
6. Correct the regional monthly averages for regions with sun light and no observations, and no sun light cases
7. Correct the calculation of the monthly zonal averaged albedo and add the spatial monthly interpolation to replace the default zonal SW and net fluxes
8. Update the igbp map and the read igbp program
9. Replace the use of the linear optical depth with log optical depth
10. Add a check for sun glint in GGEO data to eliminate GGEO cloud properties when sun glint is present.

Reason for Change (Science):
Validate Terra product

Description of Change (non-Science):
None

Reason for Change (non-Science):
None

Affected PGEs : CER10.1P1
Est. Time to Complete Changes: 1 month
Planned Delivery Date : April 30, 2004
Impact : None
Date: 03/25/2004 Status: APPROVED
Originator: NGUYEN, CATHY (SAIC)

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ADDITIONAL CHANGES TO SCCR NO. 516:
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Description of Change (Science):
1. Item 2 has been removed
2. Make the GGEO averages of TOA SW fluxes, TOA albedos and TOA net fluxes to be defaults
3. Make the SW and net surface fluxes to be defaults.
4. Change the VIRS aerosol optical depths to the MODIS land and ocean aerosol optical depths.
5. Add the linear averaged calculations of the aerosol optical depths.

6. Previous log optical depths were computed from linear optical depth in GGEO cloud. Now the log optical depths are read from GGEO cloud data.

Reason for Change (Science):
As requested by the scientists.

Description of Change (non-Science):
None

Reason for Change (non-Science):
N/A

Affected PGEs : CER10.1P1
Est. Time to Complete Changes: Complete
Planned Delivery Date : September 10, 2004
Impact : None
Date & Time: 2004-09-10 16:02:38
Originator: NGUYEN, CATHY (SAIC)

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ADDITIONAL CHANGES TO SCCR NO. 516:
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Description of Change (Science):
The following parameter affected item 2:
- Clear-sky TOA SW Flux
- GEO Interpolation
- Clear-sky TOA Albedo - GEO Interpolation
-
Clear-sky TOA Net Flux - GEO Interpolation
- Total-sky TOA SW
Flux - GEO Interpolation
- Total-sky TOA Albedo - GEO Interpolation
-
Total-sky TOA Net Flux - GEO Interpolation
The following parameters
affected item 3:
- Clear-sky Sfc Net SW Flux - Mod A
- Clear-sky
Sfc Net SW Flux - Mod B
- Total-sky Sfc Net SW Flux - Mod A
-
Total-sky Sfc Net SW Flux - Mod B
- Clear-sky Sfc Down SW Flux
- Mod A
- Clear-sky Sfc Down SW Flux - Mod B

- Total-sky Sfc
Down SW Flux - Mod A
- Total-sky Sfc Down SW Flux - Mod B
Item 4 should be:
Change the NOAA NESDIS algorithm for 1.6 mand 0.63 maerosol optical depths to the MODIS land and ocean 1.64 m and 0.66 m aerosol optical depths. The affected parameters:
-
Total Aerosol Visible Optical Depth @0.63 microns
- Total Aerosol
Visible Optical Depth @1.6 microns

Reason for Change (Science):
As requested by the scientists

Description of Change (non-Science):
N/A

Reason for Change (non-Science):
N/A

Affected PGEs : CER10.1P1
Est. Time to Complete Changes: Complete
Planned Delivery Date : 9/10/2004
Impact : None
Date & Time: 2004-09-13 12:25:50
Originator: NGUYEN, CATHY (SAIC)

CERES Software Configuration Change Request Submittal
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Subsystem: SynSARB SCCR Date: 08/07/2004 SCCR Number: 550

Description of Change (Science):
1. Addition of a monthly ancillary input data file based on the Cloud WG CRH daily overhead sun TOA albedo at 0.63 and 1.6 micron, data from the daily snow and ice percentage maps, Z. Jin's surface albedo lookup table files for ocean, and the monthly surface albedo history map data that is time interpolated.
2. Addition of writing UV-A and UV-B flux data to the SYNI output file.
3. Applied correction factor that is a function of solar zenith angle, wind speed, and precipitable water (Z. Jin, COART) to the modeled SW TOA and surface pristine fluxes.
4. Added use of a high resolution chlorophyll climatology obtained from SEAWIFS.

Reason for Change (Science):
1. This monthly product is one of the inputs for the SYN surface properties module that produces gridded spectral surface properties.
2. The capability to calculate data now exists.
3. Fine tuning results
4. Chlorophyll information is used in determining ocean albedo.

Description of Change (non-Science):
1. Added logic to not process regions where the input cloud properties and fluxes are deemed inconsistent for SARB purposes.

Reason for Change (non-Science):
1. Processing such regions yields unpreferred SARB results.

Affected PGEs : PGE CER7.2.1P1
Est. Time to Complete Changes: 3 months
Planned Delivery Date : 7/10/04
Impact : CERES Subsystem 8
Date: 08/13/2004 Status: APPROVED
Originator: COLEMAN, LISA H. (SAIC)

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ADDITIONAL CHANGES TO SCCR NO. 550:
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Description of Change (Science):
None.

Reason for Change (Science):
None.

Description of Change (non-Science):
Providing MATCH vertical aerosol data files for first 6 months of 2003.

Reason for Change (non-Science):
This group of data files had not been included with previous deliveries of SARB subsystems.

Affected PGEs : 5.1P1, 7.2.1P1
Est. Time to Complete Changes: 2 hours
Planned Delivery Date : 9/20/04
Impact : None
Date & Time: 2004-09-20 13:53:27
Originator: CALDWELL, THOMAS E. (SAIC)

CERES Software Configuration Change Request Submittal
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*** All changes described in this SCCR were made in CERESlib. ***

Subsystem: TISAgrid SCCR Date & TIME: 2004-09-10 09:37:22 SCCR No.: 559

Description of Change (Science):
n/A

Reason for Change (Science):
n/a

Description of Change (non-Science):
sfc_file.f90, fsw_file.f90 files in cereslib are updated.

Reason for Change (non-Science):
Subroutines are added to access MODIS aerosol data from SFC & FSW files. TISA science team have decided to include this data in TISA Averaging process.

Affected PGEs : TISA Averaging PGEs
Est. Time to Complete Changes: 1 day
Planned Delivery Date : September 10, 2004
Impact : TISA Averaging
Originator: RAJU, RAJA (SAIC)

CERES Software Configuration Change Request Submittal
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*** All changes described in this SCCR were made in CERESlib. ***

Subsystem: CERESlib SCCR Date & TIME: 2004-09-10 13:49:52 SCCR No.: 560

Description of Change (Science):
n/a

Reason for Change (Science):
n/a

Description of Change (non-Science):
see SCCR #559

Reason for Change (non-Science):
see SCCR #559

Affected PGEs : see SCCR #559
Est. Time to Complete Changes: completed
Planned Delivery Date : Friday September 10, 2004
Impact : see SCCR #559
Originator: STASSI, JOE C. (SAIC)

CERES Software Configuration Change Request Submittal
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*** All changes described in this SCCR were made in CERESlib. ***
Subsystem: CERESlib S CCR Date & TIME: 2004-09-15 09:34:33 SCCR No.: 561

Description of Change (Science):
n/a

Reason for Change (Science):
n/a

Description of Change (non-Science):
When checking platform ID, allow either "AQUA" or "Aqua"

Reason for Change (non-Science):
This change is not in response to a problem, but it makes the AQUA/Aqua platform ID consistent with how the code is checking for TERRA/Terra.

Affected PGEs : no affect on current set of PGEs
Est. Time to Complete Changes: complete
Planned Delivery Date : next CERESlib delivery
Impact : more consistency and flexibility in code
Originator: STASSI, JOE C. (SAIC)

CERES Software Configuration Change Request Submittal
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Subsystem: Inversion SCCR Date & TIME: 2004-09-16 14:56:06 SCCR No.: 562

Description of Change (Science):
1. Recompilation of PGE CER4.5-6.2P2 will result in all of the 361 CERES validation regions now defined in CERESlib to be included in the daily validation site SSF data files.

2.PGE CER4.5-6.4P1 was modified to include all of the 361 CERES validation regions now defined in CERESlib in the monthly validation site SSF data files.

Reason for Change (Science):
1. The Surface-only working group requested that the nine additional CERES validation sites that were added to the definition files in CERESLib be included in the SSF validation site data files.
2.Same as item 1

Description of Change (non-Science):
1. The Terra and Aqua SSF subset PGE, CER4.5-6.2P2, was modified to initialize the SSF subset header and modified the day of year check to include leap year.

Reason for Change (non-Science):
1. Corrected error that occurred in the data date for Jan 01 following a leap year.

Affected PGEs : CER4.5-6.2P2, CER4.5-6.4P1
Est. Time to Complete Changes: 1 week
Planned Delivery Date : 9/24/04
Impact : No impact on other PGES
Originator: NOLAN, SANDY K. (SAIC)

Table 6: September 22, 2004 - Subsystem Issues and Status (1 of 5)

SS No.	SS Lead	Status	Problems
1.0	Cooper	• Continued tracking receipt of Aqua and Terra data at the ASDC. (Cooper) • Completed investigation on the problem with July 2003 data discovered by Tak. Tak had a bad version of the data files he got using daacget. The data was reprocessed after Tak downloaded the data. (Cooper, Walikainen) • Worked with Mike Little on the charts for the presentation of the CERES Lessons Learned paper for the AIAA conference in San Diego, Sept. 28 thru Sept. 30. (Cooper) • Monthly averages were trended over mission life for the CERES instruments on Aqua for the following values: The shortwave sensor, the daytime longwave derived from the Window and Total sensors, and the daytime longwave derived by subtracting the nighttime longwave from the daytime Total sensor. These values were adjusted to a 30 degree solar zenith angle for each DCC group prior to averaging. Trending results were compared between the Edition1 and Edition2 data products. (Spence) • ADRIEX was concluded on 09/12/2004. Terra and Aqua had been collecting industrial aerosol data for 2 weeks. (Szewczyk) • Co-author of two poster presentation at the 13th conference on satellite met. and ocean. at Norfolk (one will be presented by Lou Smith, the other one by Almudena Velazquez. (Szewczyk)	
2.0	Walikainen	• Continuing to examine the production email generated by the QC checker software. (Walikainen) • Continuing to inspect ERBE-like Aqua and Terra output plots and QC reports on the Web. (Walikainen) • Testing for Aqua Edition 2 Spectral Response Functions started [Mar04-Jul04]. (Walikainen)	
3.0	Walikainen	Combined with above.	

Table 6: September 22, 2004 - Subsystem Issues and Status (2 of 5)

SS No.	SS Lead	Status	Problems
4.1	Sun-Mack	• Worked on preparing for AMS Conference by reading papers and putting together posters for Sunny and Pat Minnis. (Sun-Mack) • CloudVis images were processed for July 2002 for Aqua MODIS Edition1a for 56 subset regions. Completed processing CloudVis images for TRMM VIRS Edition2 data from January 2001 through July 2001 for the Taiwan and Bahrain regions. CloudVis images were generated for Terra MODIS Edition2-QC data for the Dry Tortugas region from February 2000 through December 2003. Results are posted on the web. (R. Brown) • QC global images and statistics were processed for Aqua MODIS Edition1a data from July 2002 through November 2002. Results are posted on the Web. (R. Brown) • QC Web Viewer was modified to do comparison between Aqua MODIS Editon1a previous datasets. Updated Cloudvis Web Viewer to include Aqua MODIS Edition1a data. (R. Brown)	
4.2	Sun-Mack	Combined with above.	
4.3	Sun-Mack	Combined with above.	
4.4	Miller	• Monitored Aqua Edition1A data. One hundred and fifteen, 137, 13, 4, and 14 hours were not processed for July, August, September, October, and November 2002, respectively. The first 39 hours in July were missing MODIS data. The remaining hours in July and the other months did not have IES. (Miller) • Developed software to calculate daily and monthly Narrowband Tropical Mean Longwave Constant. It also obtains shortwave day values also. Terra FM1 Edition2A data was processed. Different graphs were produced. The window and longwave data did not show any trend. There appears to be a trend in the shortwave. (Miller)	

Table 6: September 22, 2004 - Subsystem Issues and Status (3 of 5)

SS No.	SS Lead	Status	Problems
4.4	Miller (Cont'd.)	• Modified CER4.1-4.1P3 scripts to process FLASH FLUX data including using the FLASH on input and output files and renaming them to the FLASH FLUX convention. (Miller) • Produced two hours of FLASH FLUX SSF. (Miller)	
4.5	Nolan	• Continued to work on metadata problems in PGE CER4.5-6.6P2. (Nolan) • Recompiled PGE CER4.5-6.2P2 and updated CER4.5-6.4P1 to use all 361 CERES Validation Regions currently defined in CERESlib and tested both PGEs on SCF. (Zentz and Nolan) • Created inversion scripts for running Flash flux and created SSF binary and HDF files using FLASH flux input form clouds. (Nolan)	
4.6	Nolan	Combined with above.	
5.0	Coleman	• Updating the Data Description/Abstract for the CRS Terra Edition2B data set. (Coleman) • Responding to questions from Jim Donaldson as he works on the Linux conversion. (Coleman)	
7.2	Coleman	• Modifying Synoptic SARB scripts to verify existence of all necessary input files before firing off the executable. While this was not necessary in Instantaneous SARB because all input files are opened at the beginning of processing, it is necessary for the Synoptic because input files are opened throughout processing. If the first MOA for the next month is not staged, then a job running for 11 hours terminates unsuccessfully. (Caldwell, Zentz) • Modifying PCF generator to place filenames in appropriate sections, e.g., output file section versus support output file section, of PCF. (Caldwell, Zentz)	
12.0	Coleman	• Prepared and presented a casual overview of the CERES directory structure, PCFs, and software deliveries to the FastFlux team. (Coleman)	
7.1	Nguyen	• No new updates.	

Table 6: September 22, 2004 - Subsystem Issues and Status (4 of 5)

SS No.	SS Lead	Status	Problems
8.0	Nguyen	• Updated the ascii generator script to correct configuration codes and file naming conventions. (Nguyen) • Provided a temporary script for the DAAC to test with the new SS7.2 outputs. (Nguyen)	
10.0	Nguyen	• Delivered code to CM to support Terra and Aqua processing. (Nguyen) • Updated the ascii generator script to correct configuration codes and file naming conventions. (Nguyen) • Creating the April 2000 surface flux time-series data for the comparison with the ground data for the BSRN sites. (Nguyen) • Obtained the 1-minute surface fluxes data from Dave Rutan. Computing the monthly means for the BSRN sites. (Nguyen)	
6.0	Raju	• Completed read software for Terra Edition2B FSW product. Delivered the package to CERES CM. (Raju) • Added routine in fsw_file cereslib module to access MODIS aerosol data from FSW product. (Raju)	
9.0	Raju	• Completed read software for Terra Edition2B SFC product. Delivered the package to CERES CM. (Raju)	
11.0	Stassi	• Preparations were made for a demo this Friday to highlight new features of the GGEO Web plots. The new TISA Web page will also be unveiled at the demo. (Flug, Stassi) • GGEO QC reports were made accessible through the TISA Web page. (Flug)	

Table 6: September 22, 2004 - Subsystem Issues and Status (5 of 5)

SS No.	SS Lead	Status	Problems
CERESlib	Stassi/Ayers	• The TISA Gridding modules, sf_file.f90 and fsw_file.f90, were updated in CERESlib at the SCFs. CERESlib was delivered to CERES CM. (Nguyen, Raju, Stassi) • The meta_write.f90 module was modified to handle the Aqua platform name in a manner consistent with Terra. (Stassi) • The scripts which update CERESlib on warlock were modified to use the backend network for sending remote commands from thunder to warlock. (Stassi, Flippo)	